

Initiative 937: Resolution Establishing Energy Conservation Potential and Targets

11/26/13 Energy & Environment Committee

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OUTLINE

- I-937 Background
- Conservation Potential Assessment
 - Method
 - Results
- Proposed Targets and Conservation Potential

BACKGROUND: Washington Ballot Initiative 937

- Requires electric utilities to obtain new renewable resources and undertake cost-effective energy conservation
- Regarding Energy Conservation, every two years utilities must:
 - Review and update ten-year conservation potential
 - Establish biennial acquisition target
 - Meet target, or subject to administrative penalties
- Utilities are to identify conservation potential and acquisition targets using a methodology consistent with the NW Power & Conservation Council
- City Light has used the "Utility Analysis Option", which involves preparing a utility-specific Conservation Potential Assessment
- This Resolution and associated public hearing serve to establish the biennial acquisition target for 2014-2015 and the ten-year conservation potential required by I-937

Conservation Potential Assessment Methodology

Analysis Performed by Enernoc

Study results

Develop supply curves **Synthesize** Sensitivity analysis

Achievable potential

Establish Customer SCL programs Other studies Market acceptance/ramp rates Acceptance

Technical and economic potential

Screen Measures and Options

Measure descriptions Avoided costs

SCL program data NWPCC/RTF workbooks

End-use forecast by segment

Project the **Baseline**

Prototypes and energy analysis (**BEST**) Codes and standards

RTF data

SCL forecast data Secondary data

Base-year energy use by segment

Characterize the Market

SCL billing data RBSA, RCCS, and other surveys

SCL program data

Energy Market Profiles

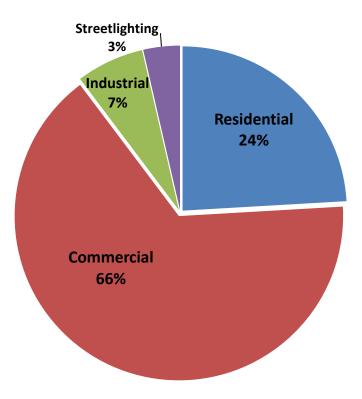
Secondary data Previous study results

Study objectives

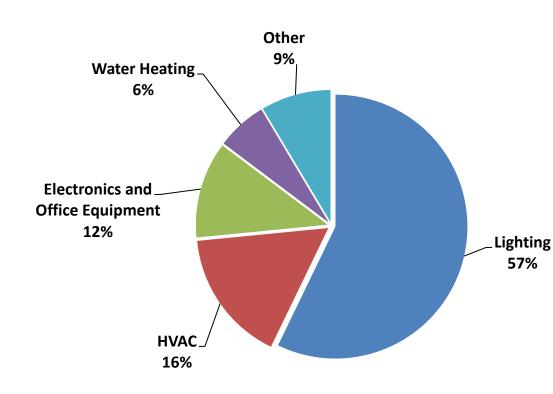


CONSERVATION POTENTIAL RESULTS

Cumulative 10 Year Potential by Sector 118.4 aMW Total



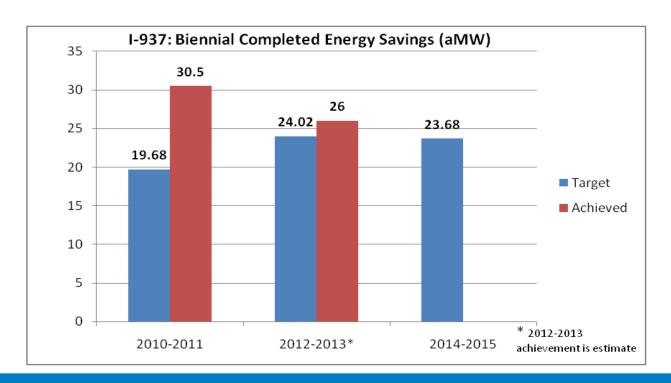
Cumulative 10 Year Potential by Measure 118.4 aMW Total



ENERGY CONSERVATION POTENTIAL & TARGETS

Based on Results of Conservation Potential Assessment

- Ten-Year Potential = 118.4 aMW
- Two-Year Target = 23.68 aMW for 2014-2015





OUR MISSION

Seattle City Light is dedicated to exceeding our customers' expectations in producing and delivering environmentally responsible, safe, low-cost, and reliable power.